

EXPOSURE ASSESSMENT OF INDOOR FINE
PARTICULATE MATTER 2.5 (PM_{2.5}) IN BOUND TO
HEAVY METALS AMONG SHOP IN URBAN AREA
OF KUANTAN

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KUANTAN

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SUPERVISOR'S DECLARATION

I hereby declare that I have checked this thesis and in my opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Occupational Safety and Health (Hons).

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at Universiti Malaysia Pahang or any other institutions.

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Dedicate to;

My Respectful Supervisor,

Dr. Hanida binti Abdul Aziz

and

Madam Norhidayah binti Abdull

Beloved Family,

Ariffin bin Ismail

Zah binti Mat Daud

Noor ‘Aini binti Ariffin

Mohd Hafizi bin Ariffin

Noor Hamimi binti Ariffin

Mohd Hamidi bin Ariffin

And dearest course mates

***Al-Fatihah* for Ariffin bin Ismail**

(1948-2017)

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LIST OF SYMBOLS

HNO_3	Nitric Acid
HCL	Hydrochloric Acid
$\mu\text{g}/\text{m}^3$	Microgram per meter cube
ppb	Part per billion

LIST OF ABBREVIATIONS

ACGIH	American Conference for Governmental Industrial Hygienists
ATSDR	Agency for Toxic Substances and Disease Registry
Cd	Cadmium
Cr	Chromium
Cu	Copper
DOSH	Department of Occupational Safety and Health
IARC	International Agency for Research on Cancer
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
NIOSH	National Institute of Occupational Safety and Health
OSHA	Occupational Safety and Health Act
Pb	Lead
SPSS	Statistical Package for Social Sciences
US EPA	United States of Environment Protection Association
WHO	World Health Organization
Zn	Zinc